

**In the Specification**

Please amend the Paragraph beginning at **Page 6, line 13–23** to read, as follows:

In contrast, the probes constructed in accordance with the present invention are able to measure arterial pulse signals and their changes from virtually any point on the body surface without causing deleterious venous pooling effects. This is achieved by constructing the probes to apply the appropriate pressure field to a given body surface without completely encircling the body part at the measurement site. Under such circumstances distal venous pooling is avoided since venous drainage can occur freely via alternate, fully unrestricted pathways surrounding the point or region of measurement and thus the need to apply a pressure field extending distally to the terminal end of the extremity is avoided.. At the actual site of the measurement, the applied pressure would be such that the veins would be maintained in a collapsed state save for the transmitted pulsatile arterial throughput.